UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/719,609	12/13/2000	Robert G. Schwartz	770P009579-U	3376

2512 7590 10/20/2005		EXAMINER
PERMAN & GREEN		BASS, JON M
425 POST ROAD		

ART UNIT	PAPER NUMBER
3639	

FAIRFIELD, CT 06824

DATE MAILED: 10/20/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

	Application No.		Applicant(s)
Office Action Summary	09/719,609	`	SCHWARTZ ET AL.
	Examiner		Art Unit
	Jon Bass		3639

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *13 December 2000*.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-72* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-72* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5) ☐ Notice of Informal Patent Application (PTO-152)

6) ☐ Other: _____.

DETAILED ACTION

1. This is in response to the communication "Technique for securing a system of a postage

    franking system". Claims 1-72 are pending in this applications.

Information Disclosure Statement

2. An initialed and dated copy of Applicant's IDS form 1449 is attached to the instant

    Office action.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. **Claims 1-5, 9-72 are** rejected under 35 U.S.C. 102(e) as being anticipated by John

    Haines et al (US Patent No: 5,107,455) hereinafter reference as Haines.

As Per Claim 1:

Haines discloses a franking system comprising:

a memory for storing a software component for generating at least one postage indicium,

[{col.3, lines 1-4}, random access memory{RAM}, a read only memory {ROM}, battery augment

memory {BAM}];

a device, [{fig 2}, postage meter device], operatively connected to the memory, for

receiving an authorization code, [{fig 2, 32}, configuration enable code] which is derived

from at least information concerning the software component, [{col.2, lines 17-19}, I/O

configuration enable code]; and

a processing unit[{fig1, 27}, microprocessor], operatively connected to the memory

and the device for receiving an authorization code, [{fig 2, 32}], for verifying at least part of

the authorization code to detect any change in the software component before the at least one

postage indicium is generated, the detection of any unauthorized change preventing generation

of the at least one postage indicium, [{col.2, lines 7-10}, the data center checks the code by

computing the I/O configuration request code].

As Per Claim 2:

Haines disclose wherein the information represents a version number of the

software component, [{fig 1, 28}, features software].

As Per Claim 3:

Haines discloses further comprising a counter for keeping track of the version

number of the software component, [{col.6, lines 27-29}, the data center computer then

increments a counter called configuration transaction identifier].

As Per Claim 5̶ ⁿ

Haines discloses wherein memory locations are allocated in the memory for storing

a plurality of version numbers of the software component, respectively, the version number of

the software component being indicated as stored at one of the memory locations, [{fig 1, 22,

24}, ROM, RAM].

As Per Claim 5:

Haines discloses wherein the information is obtained from running a predetermined

algorithm on code of the software component, [{col.2, lines 11-12, configuration request

code using algorithm].

As Per Claim 9:

Haines discloses further comprising a computer, [{col.2, lines 8}, data center

computer] where, containing the memory for storing a software component, [{col.3, lines 5-6},

storing information like software] wherein the authorization codes also derived from an identity of

the computer, [{col.4, lines 1-4, dependent upon meter serial number].

As Per Claim 10:

Haines discloses wherein the identity of the computer includes a serial number thereof,

[{col.4, lines 1-4}, dependent upon meter serial number].

As Per Claim 11:

Haines discloses further comprising a postal security device (PSD) containg the processing

unit, for verifying at least part of the authorization code, wherein the authorization code is also

derived from an identity of the PSD, [{col.2, lines 7-9}, configuration request code is

communicated to data center computer with validating identification information].

As Per Claim 12:

Haines discloses wherein the identity of the 20 PSD includes a serial number thereof,

[{col.4, lines 1-4}, dependent upon meter serial number].

As Per Claim 13:

Haines discloses a franking system comprising:

a memory for storing a software component generating at least one postage

indicium, [{fig 1, 22, 24, 28}, features software, ROM, RAM};

a buffe, operatively connected to the memory, for storing an

authorization code which is derived from at least information concerning a configuration of

the system, [{fig 1, 24}, intermediate storage]; and

a processing unit, operatively connected to the memory and buffer, for verifying at least

part of the authorization code before the at least one postage

indicium is generated to detect any unauthorized change in the configuration of franking system,

the detection of any authorized change by the processing unit preventing generation of the at

least one postage indicium by the software component,[{abstract}, the technique provides

security so that any change to the feature is authorized].

As Per Claim 14:

Haines discloses further comprising software components for providing feature options in the

system which are selectively enabled, wherein the configuration concerns at least a setting of

the feature options, [{fig 1, 28}, feature software and {fig 2, 32}, configuration request code and

obtains configuration enable code].

As Per Claim 15:

Haines discloses wherein the configuration concerns at least a version of the software

component, [{fig 1, 28} and {fig 2, 30}}.

As Per Claim 16:

Haines discloses further comprising a device for maintaining a postage fund for postage

dispensation in the system, wherein the processing unit is within the device, [{col.2, lines 66-68},

microprocessor includes functions accounting for postage].

As Per Claim 17:

Haines discloses wherein the authorization code is also derived from an identity of the device,

[{col.4, lines 1-4}, dependent upon meter serial number].

As Per Claim 18:

Haines discloses wherein the identity of the device includes a serial number thereof,

[{col.4, lines 1-4}, dependent upon meter serial number].

As Per Claim 19:

Haines discloses further comprising a computer, [{col.2, lines 8, data center computer}]

containing the memory for storing a software component, wherein the authorization code is also derived

from an identity of the computer, [{col.4, lines 1-4}, dependent upon meter serial number].

As Per Claim 20:

Haines discloses wherein the identity of the computer includes a serial number thereof,

[{col.4, lines 1-4}, dependent upon meter serial number].

As Per Claim 21:

Haines discloses a franking system for generation of postage indicia, the system having a

plurality of feature options which may be enabled, the system comprising:

a device for receiving an authorization code which is generated outside the system in

response to a request generated within the system for changing a selected setting of the feature

options to a new setting different from a current setting thereof, the authorization co comprising a

code segment and a data segment, the code segment being derived from at least information

concerning the selected setting of the feature options, the data segment containing data

concerning one or more of the feature options, [{fig 1, see details}, external device in

communication with moter}];

a buffer, operably connected to the device for receiving an authorization code for effecting the

change of the selected setting to the new setting *of the* feature options based on the data, [{fig 1, .

see details}, external device in communication with moter}];

a processing unit, operably connected to the buffer and the device for receiving an authorization

code for verifying the code segment to determine whether generation of postage indicia based on

the new setting of the feature options is allowed,[{fig 1, 27}, microprocessor].

As Per Claim 22:

Haines discloses wherein the data includes the information concerning the current setting of

the feature options, [{col.2, lines 7-10}, request code is communicated to a data center].

As Per Claim 23:

Haines discloses wherein the data is encrypted, [{col.2, lines 12-14}, data center computer

generates an encrypted I/O configuration].

As Per Claim 24:

Haines discloses wherein the change in the selected setting of the feature options

involves changing one or more of the feature options, with respect to the current setting of the

feature options, the length of the data segment being a function of a quantity of the one or

more of the feature options, [{col.4, lines 25-28}, reconfigure the desired options].

As Per Claim 25:

Haines discloses wherein the data indicates memory addresses which are associated with

the one or more of the feature options, respectively, a value being stored at each memory address

and the feature option associated with the memory address is changed to the value, [{fig 1, 24},

intermediate storage].

As Per Claim 26:

Haines discloses wherein the data includes offset memory addresses which are associated

with the one or more of the feature options, respectively, [{fig 1, 24}, intermediate storage].

As Per Claim 27:

Haines discloses wherein the data identifies the one or more of the feature options, [{fig 3,

see details}].

As Per Claim 28:

Haines discloses wherein a franking system comprising:

a first memory for storing a first software component for generating at least one postage indicium,

a second software component being stored in the first memory for interacting with the first software

component, the second software component including a selected identifier, [{fig 1, 28}, feature software];

a second memory, operably connected to the first memory, for storing a plurality of identifiers, [{fig 1, 22}, ROM]; and

a processing unit, operably connected to the first and second memeories, for determining whether one of the plurality of identifiers corresponds to the selected identifier in the second software component when the second software component interacts with the first software component, the at least one postage indicium being generated only when one of the plurality of identifiers corresponds to the selected identifier, [{fig 1, 27}].

As Per Claim 29:

Haines discloses wherein further comprising a device for maintaining a postage fund for postage dispensation in the system, wherein the second memory is within the device, [{col.2, lines 60-64}, accounting register].

As Per Claim 30:

Haines discloses wherein the system wherein the selected identifier identifies the second software component, [{fig 1, 28}, see details about feature software].

As Per Claim 31:

Haines discloses the system of further comprising at least one hardware component, wherein

the second software component includes utility software for interfacing the first software component

with the at least one hardware component, [{fig 1, 28}, see details about feature software].

As Per Claim 32:

Haines discloses and a system for reconfiguring a franking apparatus for generating

postage indicia, the franking apparatus including a device for maintaining a postage fund for

postage dispensation in the franking apparatus, the system comprising:

A memory for storing a value of an account for replenishing the postage fund in the

franking apparatus, [{fig 1, 22}, ROM]

a processor operably connected to the memory, for reconfiguring the franking apparatus,

a reconfiguration of the franking apparatus incurring a cost, the cost being separate form the postage

fund, the value of the account being adjusted to account for the cost, the value of the postage fund in the

franking apparatus being unaffected by the reconfiguration, [{fig 1, 27}, microprocessor].

As Per Claim 33:

Haines discloses the system wherein the franking apparatus is remotely reconfigured through

a communication connection, [{abstract}, external devices in communication with postage meters].

As Per Claim 34:

Haines discloses the system of wherein the reconfiguration of the franking apparatus concerns at

least a setting of feature options in the franking apparatus, [{abstract}, external device has a feature

set].

As Per Claim 35:

Haines discloses the system wherein the reconfiguration of the franking apparatus concerns

at least a version of a software component in the franking apparatus, [{abstract}, external device

has feature set selectively enabled or disabled by software].

As Per Claim 36:

Haines discloses the system of wherein the memory also stores information concerning a

current configuration of the franking apparatus, [{fig 1, 24}, intermediate storage].

As Per Claim 37:

Haines discloses the system of wherein the processor causes transmission of a menu to the

franking apparatus for the reconfiguration thereof, the menu being generated based on the

information, [{fig 1, 27}, microprocessor].

As Per Claim 38:

Haines discloses a method for use in a franking system comprising:

storing a software component for generating at least one postage indicium, [{fig 1, 28},

feature software];

receiving an authorization code which is derived from at least information concerning the

software component, [{col.5, lines 47-48}, authorization]; and

verifying at least part of the authorization code to detect any unauthorized change in the software component

before the at least one postage indicium is generated, the detection of any unauthorized change

preventing generation of the at least one postage indicium, [{col.4, lines 42-45}, prevents

unauthorized personal from entering the I/O configuration].

As Per Claim 39:

Haines discloses the method of wherein the information represents a version number of the

software component, [{abstract}, configuration enable code depends on the serial number].

As Per Claim 40:

Haines discloses the method further comprising keeping track of the version number of

the software component 25 using a counter in the system, [{col.2, lines 5-10}, based on the meter

serial number which is communicated to the meter which receives the configuration code].

As Per Claim 41:

Haines discloses the method of further comprising allocating memory locations to store

a plurality of version numbers of the software component, respectively, the version number of

the software component being indicated as stored at one of the memory locations, [{fig 1, 24}, see details intermediate storage].

As Per Claim 42:

Haines discloses the method of wherein the information is obtained from running a predetermined algorithm on code of the software component, [{col.2, lines 18-20}, encryption algorithm as the data center computer].

As Per Claim 43:

Haines discloses the method of claim 42 wherein the information i n c l u d e s error checking information, [{col.6, lines 5-10}, If hey do not match, the meter has been improperly reconfigured or error occurred then terminate transaction].

As Per Claim 44:

Haines discloses the method wherein the e r r o r checking information includes CRC bits, [{col.6, lines 5-10}, If hey do not match, the meter has been improperly reconfigured or error occurred then terminate transaction].

As Per Claim 45:

Haines discloses the method wherein the error checking information includes a checksum, [{col.6, lines 5-10}, If hey do not match, the meter has been improperly reconfigured or error occurred then terminate transaction].

As Per Claim 46:

Haines discloses the method of wherein the authorization code is also derived from an identity of a computer in the system, [{col.5, lines 47-48}, agents authorization code, which is password to the data center computer].

As Per Claim 47:

Haines discloses the method of wherein the identity of the computer includes a serial number thereof, [{col.6, lines 8-10}, meter serial number].

As Per Claim 48:

Haines discloses the method of claim 38 wherein the authorization code is also derived from an identity of a PSD in the system, [{col.6, lines 8-10}, meter serial number].

As Per Claim 49:

Haines discloses the method wherein the identity of the PSD includes a serial number thereof, [{col.6, lines 8-10}, meter serial number].

As Per Claim 50:

Haines discloses a method for use in a franking system comprising:

Storing a software component for generating at least one postage indicuim, [{fig 1, 22} ROM].

storing an authorization code which is derived from at least information concerning a

configuration of the system, [{abstract}, encrypted configuration request code];

and

verifying at least part of the authorization code before the at least one postage indicium is

generated to detect any unauthorized change in the configuration of the franking system, the

detection of any unauthorized change by the processing unit preventing generation of

the at least one postage indicium by the software component,

[{abstract}, configuration code communication to center with validation identification

information].

As Per Claim 51:

Haines discloses the method of further comprising providing feature options in the system

which are selectively enabled, wherein the configuration concerns at least a setting of the

feature options, [{col.4, lines 27-29}, meter reconfigured to options].

As Per Claim 52:

Haines discloses the method wherein the configuration concerns at least a version of the

software component, [{col.4, lines 28-30}, I/O configurations enable code into meter].

As Per Claim 53:

Haines discloses the method of wherein the authorization code is also derived from an

identity of a device for maintaining a postage fund for postage dispensation in the system, [{col.8, lines

66-68}, externally generated I/O configuration codes for storing configuration numbers].

As Per Claim 54:

Haines discloses the method of wherein the i d e n t i t y of the device includes a

serial number thereof, [{col.6, lines 8-10}, meter serial number].

As Per Claim 55:

Haines discloses the method of wherein the authorization code is also derived from an

identity of a computer, [{col.7, lines 62-65}, the number of digit needed for security].

As Per Claim 56:

Haines discloses the method of wherein the identity of the computer includes a

serial number thereof, [{col.6, lines 8-10}, meter serial number].

As Per Claim 57:

Haines discloses A method for use in a franking system for generation of postage indicia, the

system having a plurality of feature options which may be enabled, the method comprising:

receiving an authorization code which is generated outside the system in response to a request

generated within the system for changing a selected setting of the feature options to a new setting

different from a current setting thereof, the authorization code comprising a code segment and a data

segment, the code segment being derived from at least information

concerning the selected setting of the feature options, the data segment containing data concerning one or

more of the feature options, [{col.8, lines 66-68}, I/O configuration codes for storing the new I/O

configuration number in register];

effecting the change of the selected setting to the new setting of the feature options based on the

data, [{col.12, lines 15-17}, validating means acting further to set the mode register]; and

verifying the code segment to determine whether generation of postage indicia based on the new

setting of the feature options is allowed, [{col.12, lines 15-17}, validating means acting further to

set the mode register].

As Per Claim 58:

Haines discloses the method wherein the data includes the information concerning the

setting of the feature options, [col.12, lines 1-3}, configuration code depends values depends

values on configuration number].

As Per Claim 59:

Haines discloses the method wherein the data is encrypted, [{col.12, lines 3-5},

encrypted generated I/O configuration].

As Per Claim 60:

Haines discloses the method of wherein the selected setting of the feature options involves changing one or more of the feature options, with respect to the current setting of the feature options, the length 'of the data segment being a function of a quantity of the one or more of the feature options, [{fig 3, 42}, meter enters mode by changing mode register].

As Per Claim 61:

Haines discloses The method of claim 60 wherein the data indicates memory addresses which are associated with the one or more of the feature options, respectively, a value being stored at each memory address and the feature option associated with the memory address i s changed t o the value, [{fig 3, 48}, meter stores new I/O.

As Per Claim 62:

Haines discloses the method of wherein the data includes offset memory addresses which are associated with the one or more of the feature options, respectively, [{fig 1}, see details].

As Per Claim 63:

Haines discloses wherein the data identifies the one or more of the feature options, [{fig 2}, see details, reconfiguration].

As Per Claim 64:

Haines discloses wherein the method for use in a franking system comprising:

storing a first software component in a first memory for generating at least one postage indicium, [{see figure 1 and it's details}].

Storing a second software component in a first memory for interacting with the first software component, the second software component including a selected identifier, [{see figure 1}

Storing a plurality of identifier in a second memory, {see figure 1}.

Determing whether one of the plurality of identifiers corresponds to the selected identifier in the second software component when the second softrware component interacts with the first software component, {see figure 1}

Generating the at least one postage indicium when one of the plurality of identifiers corresponds to the selected identifier, [{col.2,lines 65-68}, printing and accounting for postage].

As Per Claim 65:

Haines discloses the method wherein the selected key identifies the second software component, [{fig 1}, software].

As Per Claim 66:

Haines discloses the method wherein the second software component includes utility software for interfacing the first software component with at least one hardware component in the system, [{fig 1}, features software].

As Per Claim 67:

Haines discloses a method for reconfiguring a franking apparatus for generating postage

indicia, the franking apparatus including a device for maintaining a postage fund for postage

dispensation in the franking apparatus, the method comprising, [{col.2, lines 1-2}, printing

postage]:

storing a value of an account for replenishing the postage fund in the franking

apparatus, [{fig 1} ROM];

reconfiguring the franking apparatus, a reconfiguration of the franking apparatus incurring a

cost the cost being separate from the postage fund, [{col;.2, lines 61-63}, accounting registers];

and

adjusting the value of the account to account for the cost, the value of the postage fund in

the franking apparatus being unaffected by the reconfiguration, [{col.2, lines 61-63}, accounting

register].

As Per Claim 68:

Haines discloses the method wherein the franking apparatus is remotely reconfigured

through a communication connection, [I/O port provides communication channel].

As Per Claim 69:

Haines discloses the method of wherein the reconfiguration of the franking apparatus

concerns at least a setting of feature options in the franking apparatus, [{.col.4, lines 25-28},

reconfigure to the desired options].

As Per Claim 70:

Haines discloses the method of wherein the reconfiguration of the franking apparatus

concerns at least a version of a software component in the franking apparatus, [{fig 1{,

feature software].

As Per Claim 71:

Haines discloses the method storing information concerning a current configuration of

the franking apparatus, [{figure 1}, memory].

As Per Claim 72:

Haines discloses the method comprising transmitting a menu to the franking apparatus for

the reconfiguration thereof, the menu being generated based on the information, [{abstract},

validating information checked by data center].

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or
described as set forth in section 102 of this title, if the differences between the subject
matter sought to be patented and the prior art are such that the subject matter as a whole
would have been obvious at the time the invention was made to a person having ordinary
skill in the art to which said subject matter pertains. Patentability shall not be negatived
by the manner in which the invention was made.

Claims 6-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Haines (US

Patent No: 5,107, 455) in view of Liana Obrea (US Patent No: 4, 785, 417) hereinafter

referenced as Obrea.

As Per Claim 6:

Haines discloses a technique for reconfiguring an external device in communication with

postage meters, but lacks a system wherein the information includes error checking information.

Obrea discloses a system wherein the information includes error-checking information,

[{col. 2, lines 37-43}, program enters routine system checks appropriate operation is used for

detecting the error source].

Therefore, it would have been obvious for one of ordinary skill in the art at the time of the

invention was made to modify Haines method and system in conjunction with Obrea's system and

method to emulate an invention that deals with external device in communication in junction with

information includes error checking information, which additionally verifies the products data and

its origin.

As Per Claim 7:

Haines discloses a technique for reconfiguring an external device in communication but

lacks the system wherein the error checking information includes cyclic redundancy check

(CRC) bits.

Obrea discloses a system wherein the error checking information includes cyclic

redundancy check (CRC) bits, [{col.2, lines 43-51}, checked as many times as possible].

Therefore, it would have been obvious for one of ordinary skill in the art at the time of

the invention was made to modify Haines method and system in conjunction with Obrea's

system and method to emulate an invention that deals with external device in communication in

junction the error checking information includes cyclic redundancy check (CRC) bits, which

additionally verifies the products data and its origin.

As Per Claim 8:

Haines discloses a technique for reconfiguring an external device in communication but

lacks the system wherein the error checking information includes a checksum.

Obrea discloses a system wherein the error checking information includes a checksum,

{[{col.2, lines 43-51}, checked as many times as possible].

Therefore, it would have been obvious for one of ordinary skill in the art at the time of the

invention was made to modify Haines method and system in conjunction with Obrea's system

and method to emulate an invention that deals with external device in communication in junction

the error checking information includes cyclic redundancy check (CRC) bits, which additionally

verifies the products data and its origin.

Conclusion

Any concerns in regard to this communication, the examiner **Jon Bass** can be reached at

(571) 272-6905 between the hours of **9-6pm Monday through Friday.** The fax number for the

establishment where the application is being process is **(571) 273-8300.**

If an attempt to reach the examiner is unsuccessful for any reason, the examiner's

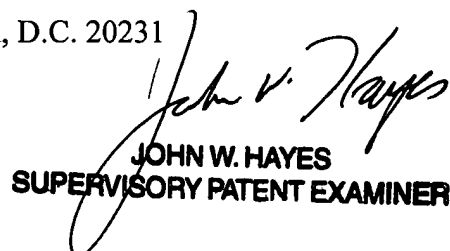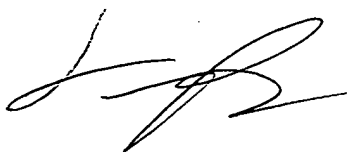immediate supervisor, **John Hayes** can be reached at **(571) 272-6708.**

Information regarding the status of an application may be obtained from the Patent

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Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

C/O Technology Center 3600

Washington, D.C. 20231

JOHN W. HAYES
SUPERVISORY PATENT EXAMINER